

Phospho-Cardiac Troponin I (Ser22/Ser23) polyclonal antibody

Catalog: BZ16417

Host: Rabbit

Reactivity: Mouse, Rat

BackGround:

Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: tnl-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

Calculated MW: 24 kDa; Observed MW: 28 kDa

Swiss-Prot:

P23693

Purification&Purity:

Affinity Purified

Applications:

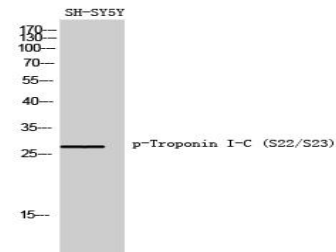
WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000

Storage&Stability:

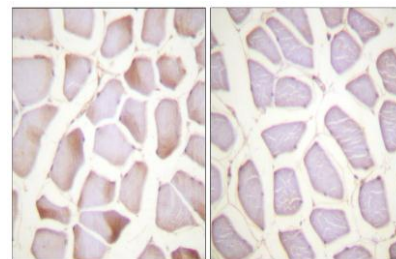
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Isotype:

IgG

DATA:

Western blot analysis of Phospho-Cardiac Troponin I in SH-SY5Y lysates using Phospho-Cardiac Troponin I antibody.



EnzymeLinked Immunosorbent Assay for Immunogen Phospho-peptide and NonPhospho-peptide, using TNNI3 antibody.

Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using TNNI3 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.

Western blot analysis of Phospho-Cardiac Troponin I in mouse heart lysates using Phospho-Cardiac Troponin I antibody. The lane on the right is blocked with the Phospho-peptide.

Note:

For research use only, not for use in diagnostic procedure.

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